**PD-0325901**

**CATALOG #:** 1643-2, 5, 25 2 mg, 5 mg, 25 mg

**STRUCTURE:**

![Structure](image)

**MOLECULAR FORMULA:** \( \text{C}_{16}\text{H}_{14}\text{F}_{3}\text{N}_{2}\text{O}_{4} \)

**MOLECULAR WEIGHT:** 482.2

**CAS NUMBER:** 391210-10-9

**APPEARANCE:** Off-white solid

**Solubility:** DMSO or Ethanol (~20 mg/ml)

**PURITY:** >98% by HPLC

**STORAGE:** Keep cool and dry. Store at -20°C

**DESCRIPTION:** A selective and ATP non-competitive MEK inhibitor that suppresses the phosphorylation of ERK in murine colon 26 tumors (\( \text{IC}_{50} = 0.33 \text{ nM} \)). In combination with the GSK-3 inhibitor CHIR99021, prevents cell differentiation and sustains self-renewal of embryonic stem (ES) cells.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**FOR RESEARCH USE ONLY! Not to be used on humans.**

**RELATED PRODUCTS**
- PD184352 (Cat. No. 1585-1, 5, 25)
- EZSoluion™ PD184352 (Cat. No. 1871-1)
- PD 98059 (Cat. No. 1666-5)
- EZSoluion™ PD 98059 (Cat. No. 1783-5)
- SB 203580 (Cat. No. 1712-1,5)
- EZSoluion™ SB-203580 (Cat. No. 1786-1)
- U0126 (Cat. No. 1668-5)
- Sorafenib (Cat. No. 1594-25, 100)
- VX-702 (Cat. No. 1598-1,5)